

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
20 October 2005 (20.10.2005)

PCT

(10) International Publication Number  
**WO 2005/097648 A1**

(51) International Patent Classification<sup>7</sup>: **B65H 75/44**,  
75/34

(21) International Application Number:  
PCT/AU2005/000497

(22) International Filing Date: 6 April 2005 (06.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
2004901861 6 April 2004 (06.04.2004) AU

(71) Applicant (for all designated States except US): **SPRAY  
NOZZLE ENGINEERING PTY LIMITED** [AU/AU];  
PO Box 467, Cheltenham, VIC 3192 (AU).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MORGAN, Stuart**  
[AU/AU]; PO Box 467, Cheltenham, VIC 3192 (AU).  
**MORGAN, Sean** [AU/AU]; PO Box 467, Cheltenham,  
VIC 3192 (AU).

(74) Agent: **A TATLOCK & ASSOCIATES**; 28 Drummond  
Street, Carlton South, VIC 3053 (AU).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,  
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,  
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY,  
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,  
ZA, ZM, ZW.

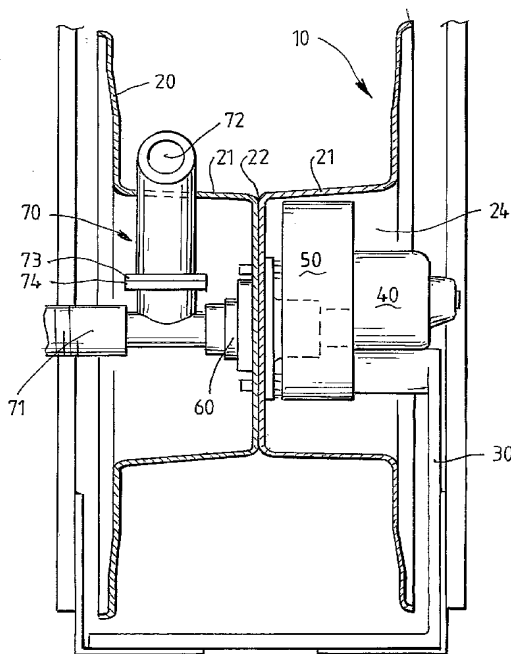
(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a  
patent (Rule 4.17(ii)) for all designations
- as to the applicant's entitlement to claim the priority of the  
earlier application (Rule 4.17(iii)) for all designations

[Continued on next page]

(54) Title: DIRECT DRIVE HOSE REEL ASSEMBLY



(57) Abstract: A hose reel assembly (10) having a unitary support member associated with a hose reel spool (20) having a riser (70) connected therethrough to provide a fluid path, which support member includes an axle, bearing and hub assembly (20), the arrangement being such that an integrated frame (30), bearing assembly (50) and drive unit housing (40) is provided.

WO 2005/097648 A1



---

— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*